

IN THE CLAIMS

1 (Previously Presented). A system, comprising:

a decoder to decode encoded video information having a first format into intermediate video information and to extract motion vectors from the encoded video information;

a compression block to encode the digital data into output video information having a second format using the motion vectors extracted from the encoded video information;

a rate control unit to adjust a bit rate of an output from said compression block, using quantization data from said decoder; and

a device to store the output video information from the compression block.

2 (Original). The system of claim 1, wherein the first format and the second format have a common format.

3 (Original). The system of claim 2, wherein the common format includes MPEG-1, MPEG-2, MPEG-4, H.264, Windows Media Video version 9 (WMV9) or Advanced Video System (AVS).

4 (Original). The system of claim 1, wherein the first format includes MPEG-2, and wherein the second format includes H.264.

5 (Original). The system of claim 1, wherein the decoder is arranged to extract quantization data, picture data, or error data from the encoded video information.

Claim 6 (Canceled).

7 (Original). The system of claim 1, wherein the intermediate video information includes digital pixel information.

8 (Original). The system of claim 1, further including:
an output port to output the intermediate video information.

Claims 9-23 (Canceled).

24 (Previously Presented). A method, comprising:
obtaining at least motion vectors from an encoded video stream;
decoding the encoded video stream to generate an analog video stream;
encoding the analog video stream to generate an output video stream using the
motion vectors obtained from the encoded video stream; and
adjusting a bit rate of the compressed digital stream using quantization data
obtained from the analog video stream.

25 (Original). The method of claim 24, wherein the obtaining further includes obtaining
quantization data and picture data from the encoded video stream.

26 (Original). The method of claim 25, further comprising:
controlling a rate of the encoding using the quantization data and the picture data.

27 (Original). The method of claim 24, further comprising:
storing the output video stream.